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REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

July 10, 2008

Mr. James Kearns, OSC
U.S. Environmental Protection Agency
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO: EP-W-06-072

TDD NO: TO-0009-0027

DOCUMENT CONTROL NO: RST 2-02-F-0593

**SUBJECT: STREAM GAUGE INSTALLATION PLAN - Cornell – Dubilier Electronics Site
(Bound Brook), South Plainfield, Middlesex County, New Jersey.**

Dear Mr. Kearns:

Enclosed please find the Stream Gauge Installation Plan for the Cornell – Dubilier Electronics Site (Bound Brook) located in South Plainfield, New Jersey.

If you have any questions, please do not hesitate to call me at (732) 585-4425.

Sincerely,

Weston Solutions, Inc.

John Brennan
Removal Support Team 2

Enclosure

cc: TDD File No.: TO-0009-0027



Stream Gauge Installation Plan **Cornell Dubilier Electronics Site**

Stream Gauge Locations

RST 2 proposes to locate two stream gauges in areas of the Bound Brook where EPA plans to investigate the presence of capacitors and stabilize the stream banks. The proposed locations of these two stream gauges will be as follows:

Location 1 – Reach 1, Transect G. The wetland area in Reach 1 is fenced in the vicinity of Transect G (see Figure 1). This area is also marked with signage warning the public about the hazards associated with the Site. This area is visible from the railroad tracks along the north bank of Reach 1 and from the marsh area along the south bank. If this area is determined to be too far upstream from the proposed work area, the stream gauge may be reset at Transect I or J. The stream gauge will be set to be visible from downstream, looking upstream.

Location 2 – Reach 2, Transect Q. A second stream gauge will be located at Transect Q (see Figure 1). Based on recent investigations by EPA, this location is likely to be between the upstream and downstream investigation areas. As an alternate proposal, this stream gauge may be moved to Transect U or V, which would likely be viewable from the Site using binoculars. In either case, the stream gauge would be placed to face west.

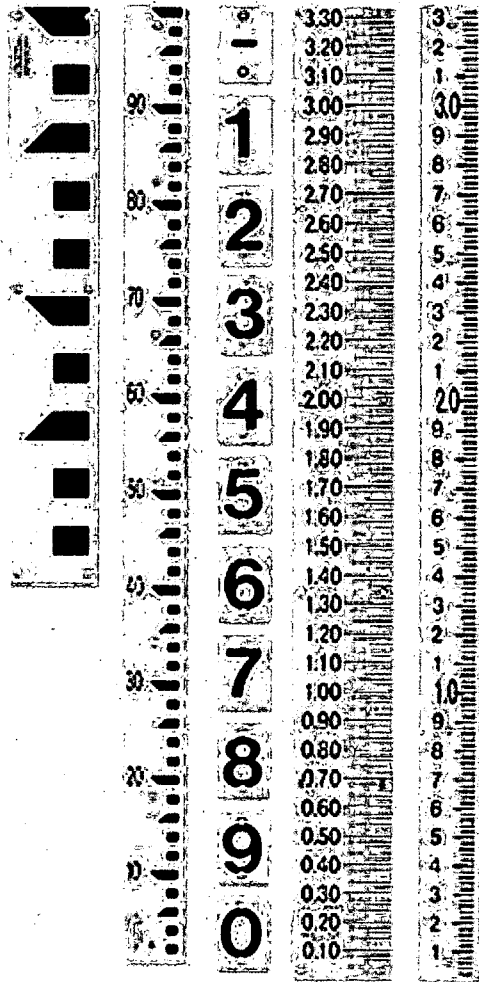
Installation Methodology

RST 2 will purchase sections of metal utility fencing, five feet in length. These sections will be driven into the center of the Bound Brook as supports for the stream gauges. If the utility fencing can be driven to an acceptable depth, then the stream gauge will be attached to the fencing. However, during the December 2007 investigation it was found that the sediment deposits can be very thin (less than one foot thick) and are overlying shallow bedrock. If the utility fencing cannot be driven to a depth that would support the stream gauge, RST 2 will purchase 5-gallon plastic buckets, and anchor the stream gauges in concrete. After being allowed to cure, the plastic buckets will be positioned in the stream. The weight of the concrete should support stream gauge for the long-term.

Stream Gauge Specifications / Additional Signage

RST 2 proposes purchasing and installing iron-frame stream gauges. The gauges can be purchased in 3.33 foot sections (see examples on the following page). Two of these sections can be connected so that a total height of 6.66 feet of stream gauge will be installed. The stream gauge will include graduations in tenths of a foot. Additional signage may be installed adjacent to the stream gauges to identify their location. An example of this signage can be found in Attachment B.

WaterMark® Stream Gauges



ATTACHMENT A

FIGURE 1



2002-02-01, "GlobeXplorer", 1:2400, 0.3048m, "CIR"

Legend
 Transect

N
W E S

0 85 170 340 510 680 Feet

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Federal Programs Division
In Association With
Avatar Environmental, LLC,
Innovative Technical Solutions, Inc.
and Scientific and Environmental Associates, Inc.

Figure 1:
Transect Location Map
CORNELL-DUBLINIER SITE
PLAINFIELD, NEW JERSEY
U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # EP-W-06-072
DRAWN BY: E. CAMPBELL
EPA OSC: N. MAGRIPLES
RST SPM: J. BRENNAN
FILENAME: CORNELL-DUBLINIER.MXD

ATTACHMENT B

EXAMPLE SIGNAGE

**UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY**

**CORNELL DUBILIER ELECTRONICS
SUPERFUND SITE**

**STREAM GAUGING STATION
REACH NO. 1**

